

University of Washington Tacoma\_B.S. Civil Engineering\_TENTATIVE Schedule Planning Grid  
Effective Autumn 2022

| Freshmen Year     |                               |         |         |       | Sophomore Year    |                                      |         |         |       |
|-------------------|-------------------------------|---------|---------|-------|-------------------|--------------------------------------|---------|---------|-------|
| Course #          | Title                         | Quarter | Credits | Notes | Course #          | Title                                | Quarter | Credits | Notes |
| <b>TMATH 124</b>  | <b>Calculus I</b>             | Fall    | 5       |       |                   | I&S and DIV                          | Fall    | 5       |       |
| TCORE 101         | English Comp I                | Fall    | 5       |       | <b>TME 221</b>    | <b>Statics</b>                       | Fall    | 4       |       |
|                   | I&S                           | Fall    | 5       |       | <b>TCHEM 142</b>  | <b>General Chemistry I</b>           | Fall    | 6       |       |
| <b>TMATH 125</b>  | <b>Calculus II</b>            | Winter  | 5       |       | <b>T PHYS 122</b> | <b>Physics II (Electromagnetism)</b> | Winter  | 6       |       |
|                   | Advanced Writing              | Winter  | 5       |       | <b>TME 222</b>    | <b>Mechanics of Materials</b>        | Winter  | 4       |       |
| <b>TGEOS 117*</b> | <b>Physical Geology</b>       | Winter  | 6       |       | <b>TMATH 207</b>  | <b>Differential Equations</b>        | Winter  | 5       |       |
| <b>TMATH 126</b>  | <b>Calculus III</b>           | Spring  | 5       |       | <b>TME 223</b>    | <b>Dynamics</b>                      | Spring  | 4       |       |
| <b>TCSS 141**</b> | <b>Programming for All</b>    | Spring  | 5       |       | <b>T PHYS 123</b> | <b>Physics III (Waves)</b>           | Spring  | 6       |       |
| <b>T PHYS 121</b> | <b>Physics I (Mechanics)</b>  | Spring  | 6       |       |                   | VLPA                                 | Spring  | 5       |       |
| Course #          | Title                         | Quarter | Credits | Notes | Course #          | Title                                | Quarter | Credits | Notes |
| TCE 307           | Construction Engineering      | Fall    | 5       |       | TCE 309           | GIS for Civil Engineers              | Fall    | 4       |       |
| TCE 347           | Fluid Mechanics               | Fall    | 5       |       | TCE 473           | Hydraulic Engr and Hydrology + LAB   | Fall    | 5       |       |
| TCE 304           | Civil Engineering Systems     | Fall    | 3       |       | TCE 401           | Engr Project Management              | Fall    | 3       |       |
| TME 310           | Intro to Comp Modeling I      | Fall    | 2       |       | TCE 4XX           | Elective                             |         | 4       |       |
| TCE 327           | Transpor. Engr                | Winter  | 5       |       | TCE 4XX           | Elective                             | Winter  | 4       |       |
| TCE 367           | Geotechnical Engr + LAB       | Winter  | 5       |       | TME 403           | Engineering Economics                | Winter  | 2       |       |
| TCE 377           | Intro to Structural Analysis  | winter  | 5       |       | TCE 4XX           | Elective                             | Winter  | 4       |       |
|                   |                               |         |         |       | TCE 488           | Senior Project I                     | Winter  | 2       |       |
|                   |                               |         |         |       | TCE 305           | CAD for Civil Engrs (VLPA)           | Winter  | 3       |       |
| TCE 337           | Construction Materials + LAB  | Spring  | 5       |       | TEE 225           | Engineering Ethics (W)               | Spring  | 5       |       |
| TCE 357           | Environmental Engr            | Spring  | 5       |       | TCE 4XX           | Elective                             | Spring  | 4       |       |
| TME 351           | Engr Probability & Statistics | Spring  | 3       |       | TCE 489           | Senior Project II                    | Spring  | 5       |       |

Note: This is an advising tool only and is subject to change. **Required prerequisites are in BOLD.** Admission is not guaranteed and is based on review of major application.

\*Additional lab science course, 5 cr (**cannot be Physics or Chemistry**); highly recommend TGEOS 117 Physical Geology

\*\*5 credits of programming (courses in Python, Java, C, C++)

W courses: (1) TCORE 101 English Comp I, (2) Advanced Writing, (3) TEE 225 Engineering Ethics

VLPA elective (spring, sophomore year): highly recommend spoken communication elective, where available